# PROJECT

## VOLUME -2

| | Total length of project including Entry & Exit Ramps |
|---|---|
| 5. Construction of Elevated Corridor ( Flyover ) at Adyar Ananda Bhavan Raghuvanahalli cross, kanakapura Road | 0.923km |

## TITLE

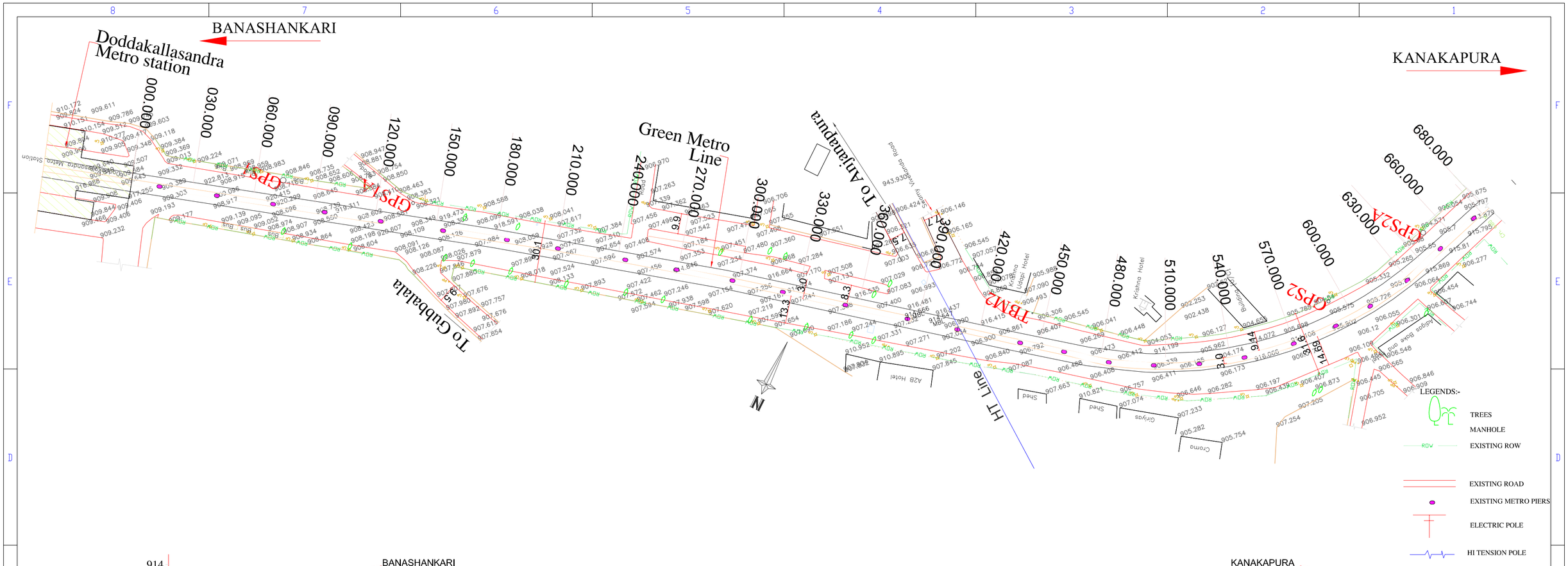
TENDER DRAWINGS

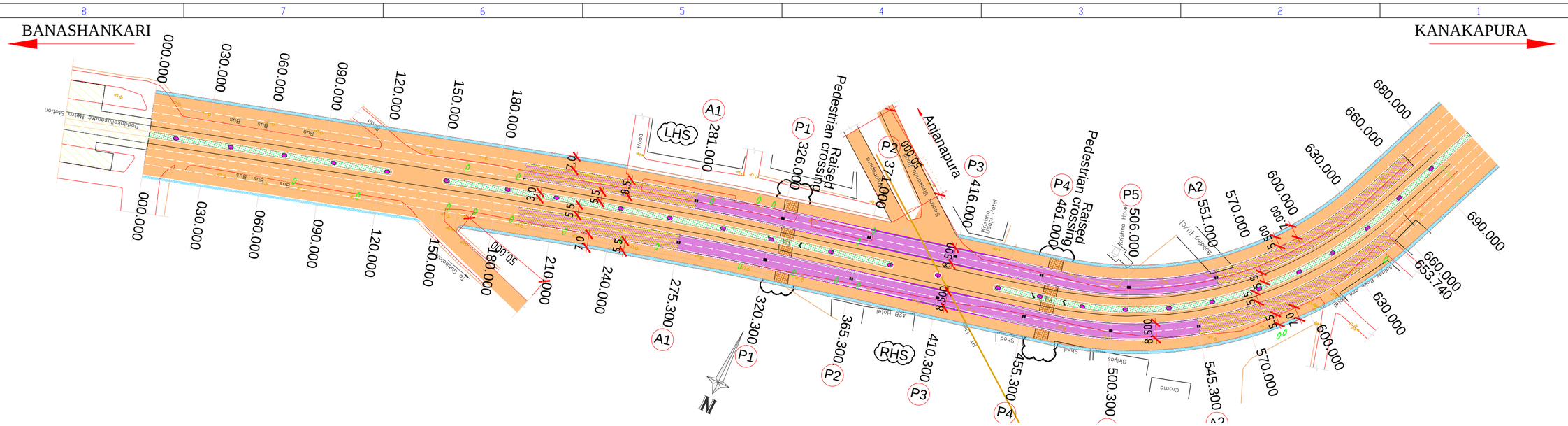
## CLIENT:

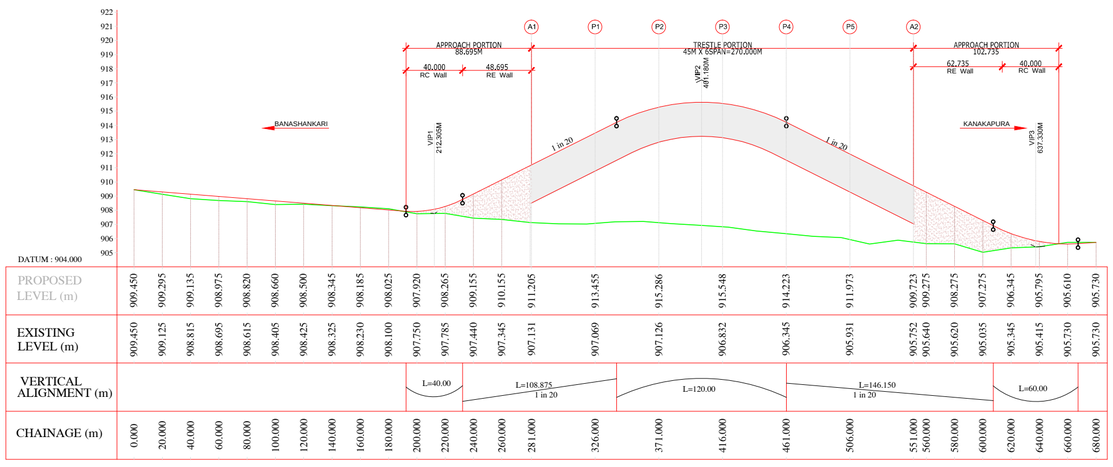
BENGALURU SMART INFRASTRUCTURE LIMITED ( B-SMILE)
#108,1st Floor, Annexe-2 Building
N.R.Square,Bengaluru-560002

## DPR CONSULTANTS:

NAGESH CONSULTANTS
# 2, 6TH CROSS ASHOKANAGARA,
BSK 1ST STAGE
BANGALORE - 560 050


BANASHANKARI
Doddakallasandra Metro station
KANAKAPURA
000.000
030.000
060.000
090.000
120.000
150.000
180.000
210.000
240.000
270.000
300.000
330.000
360.000
390.000
420.000
450.000
480.000
510.000
540.000
570.000
600.000
630.000
660.000
680.000
Green Metro Line
To Anjanapura
To Gubbalala
HT Line
TBM2
GPS1
GPS1A
GPS2
GPS2A
A2B Hotel
Krishna
Udupi Hotel
Krishna Hotel
Building
Shed
Shed
Shed
Chroma
Olriyas
Bridge
Bridge
Bridge
Subway
Subway
Underpass
Underpass
Underpass

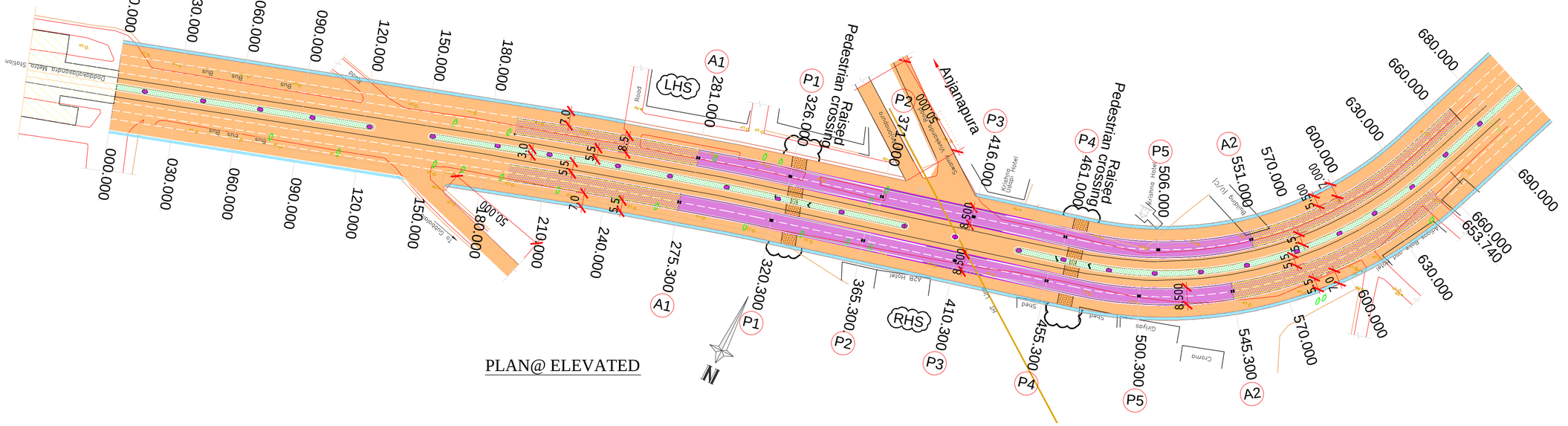

BANASHANKARI
KANAKAPURA
Pedestrian Raised crossing
Anjanapura
Pedestrian Raised crossing
LHS
RHS
A1
P1
P2
P3
P4
P5
A2
N


APPROACH PORTION
88.695M
40.000 RC Wall
48.695 RE Wall
TRESTLE PORTION
45M X 6SPAN=270.000M
APPROACH PORTION
102.735
62.735 RE Wall
40.000 RC Wall
BANASHANKARI
KANAKAPURA
VIP1 212.305M
VIP2 481.160M
VIP3 637.330M
1 in 30
1 in 20
DATUM : 904.000

| | | |

BANASHANKARI

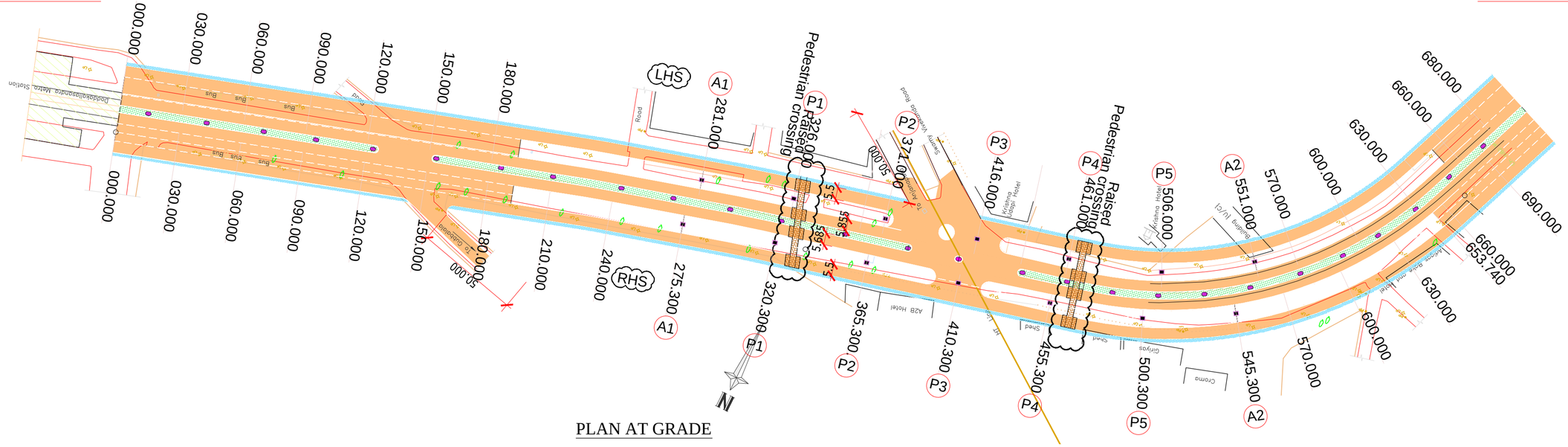
KANAKAPURA




PLAN@ ELEVATED

BANASHANKARI

KANAKAPURA




PLAN AT GRADE

TENDER DRAWING

PROJECT :

PROPOSED FLYOVER AT ADYAR ANANDA BHAVAN RAGHUVANAHALLI, KANAKAPURA ROAD.

CLIENT :

BENGALURU SMART INFRASTRUCTURE LIMITED ( B-SMILE)

#108,1st Floor, Annexe-2 Building

N.R.Square,Bengaluru-560002

| REV. | DATE | DESCRIPTION | SIGN |
|---|---|---|---|
| | | | |

DRG NO : NC/B-SMILE/P&P-03

TITLE : **PLAN**

DRAWN BY : N D N | DESIGNED BY : H V S

CHECKED BY : MANJUNATH H.S | APPROVED BY : BVN

DATE : 05.08.2025

SHEET SIZE ( A2 ) | SHEET SCALE: AS SHOWN

CONSULTANT SIGNATURE :

B.V. NAGESH

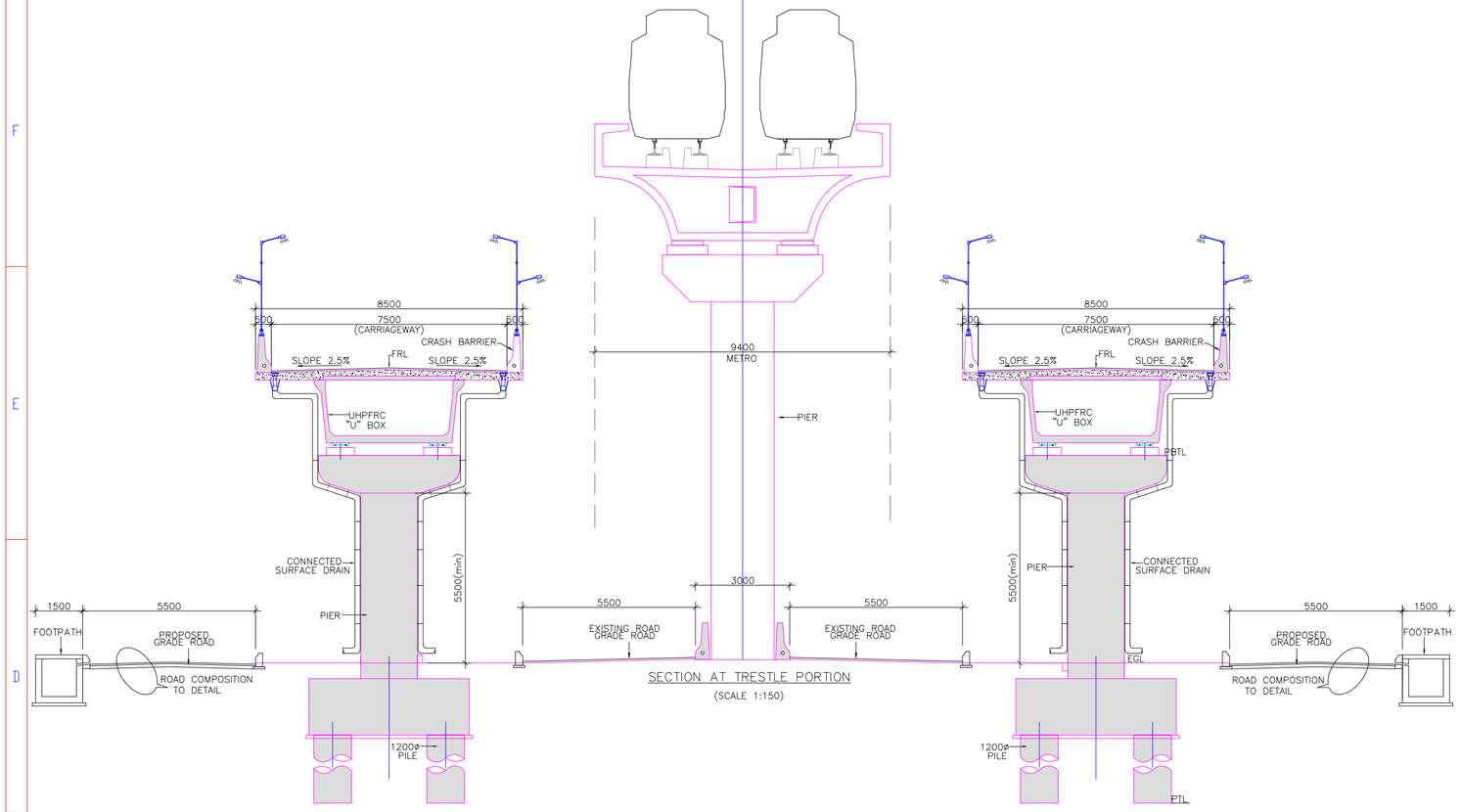
DPR CONSULTANT :

M/S NAGESH CONSULTANTS

# 2, 6 TH CROSS,

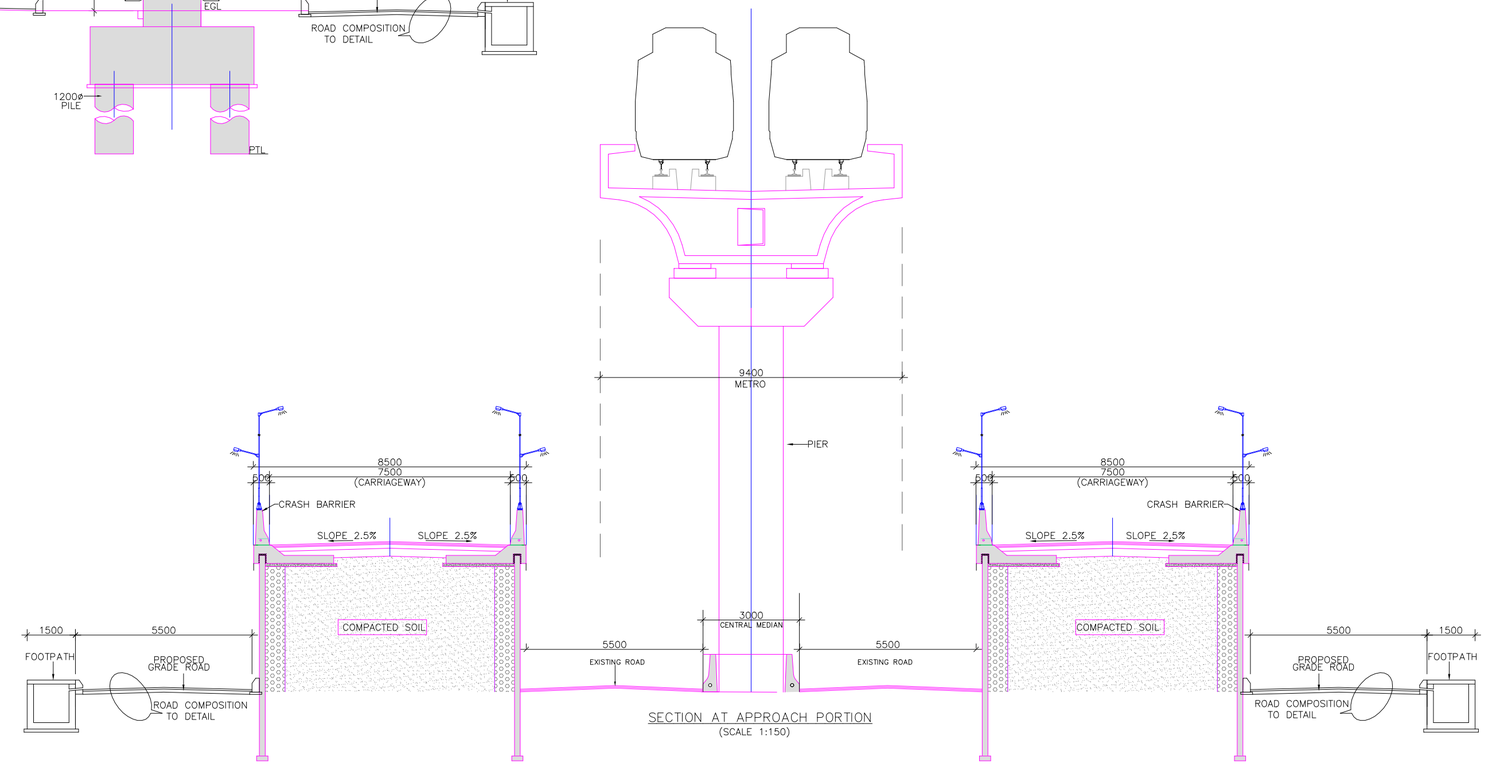
ASHOKNAGAR, BSK I STAGE,

BANGALORE - 560 050




SECTION AT TRESTLE PORTION

(SCALE 1:150)




SECTION AT APPROACH PORTION

(SCALE 1:150)

## NOTES:

1. ALL DIMENSIONS ARE IN "mm"
2. DO NOT SCALE THE DRAWING. FOLLOW FIGURED DIMENSIONS ONLY.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER RELAVENT DRAWINGS OF THIS WORK.

TENDER DRAWING

PROJECT :

PROPOSED FLYOVER AT ADYAR ANANDA BHAVAN RAGHUVANAHALLI, KANAKAPURA ROAD.

CLIENT :

BENGALURU SMART INFRASTRUCTURE LIMITED ( B-SMILE)

#108,1st Floor, Annexe-2 Building

N.R.Square,Bengaluru-560002

| REV. | DATE | DESCRIPTION | SIGN |
|---|---|---|---|
| | | | |

DRG NO : NC/B-SMILE/TCS-5

TITLE :

**TYPICAL CROSS SECTION**

DRAWN BY : NITYANAND | DESIGNED BY : SHYAM

CHECKED BY : MANJUNATH H.S | APPROVED BY : BVN

DATE : 05.08.2025

SHEET SIZE ( A2 ) | SHEET SCALE: AS SHOWN

CONSULTANT SIGNATURE :

B.V. NAGESH

DPR CONSULTANT :

M/S NAGESH CONSULTANTS

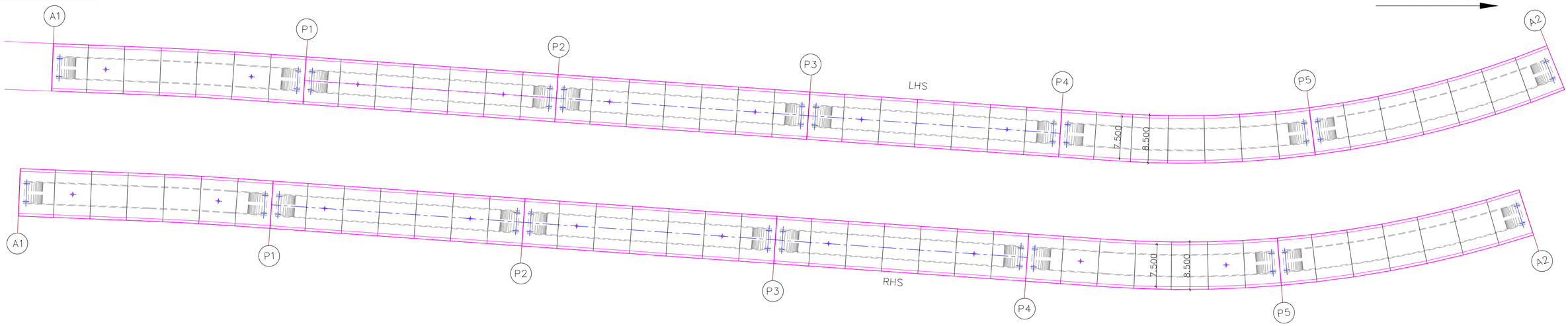
# 2, 6 TH CROSS,

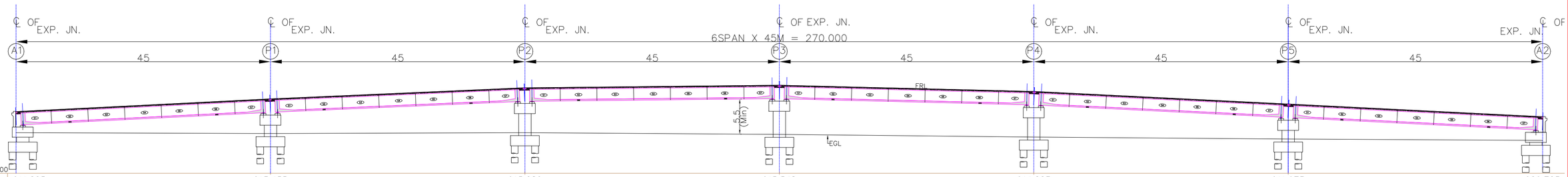
ASHOKNAGAR, BSK I STAGE,

BANGALORE - 560 050

BANASHANKRI

KANAKAPURA

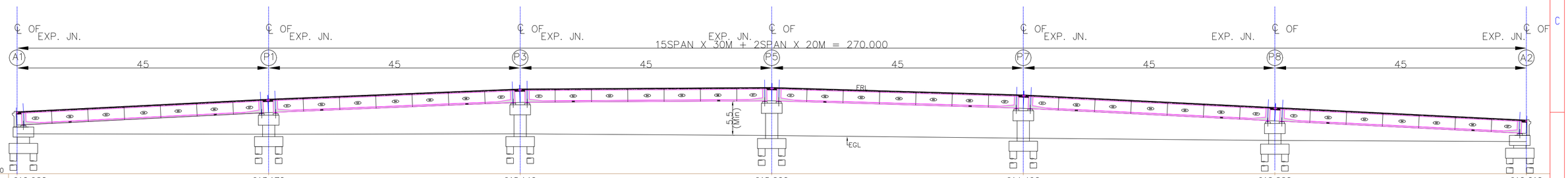



DATUM: 900.000

| | | | | | | |
|---|---|---|---|---|---|---|
| FRL | 911.205 | 913.455 | 915.286 | 915.548 | 914.223 | 911.973 | 909.723 |
| ACTL/PBTL | 908.355 | 910.605 | 912.436 | 912.698 | 911.373 | 909.123 | 906.873 |
| EGL | 907.131 | 907.069 | 907.126 | 906.832 | 906.345 | 905.931 | 905.752 |
| CHAINAGE | 281.000 | 326.000 | 371.000 | 416.000 | 461.000 | 506.000 | 551.000 |

SECTIONAL ELEVATION (LHS)




DATUM: 900.000

| | | | | | | |
|---|---|---|---|---|---|---|
| FRL | 910.920 | 913.170 | 915.140 | 915.600 | 914.490 | 912.260 | 910.010 |
| ACTL/PBTL | 908.070 | 910.320 | 912.290 | 912.750 | 911.640 | 909.410 | 907.160 |
| EGL | 907.185 | 907.025 | 907.170 | 906.870 | 906.395 | 906.060 | 905.820 |
| CHAINAGE | 275.300 | 320.300 | 365.300 | 410.300 | 455.300 | 500.300 | 545.300 |

SECTIONAL ELEVATION (RHS)

NOTES :-

1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN M. UNLESS OTHERWISE MENTIONED.
2. GRADE OF CONCRETE USED:–
   a) PILE & PILECAP :– M35
   b) PIER & PIERCAP :– M40/M50
   c) SUPERSTRUCTURE (UHPFRC) :– M150
   d) END DIAPHRAGM :– M50
   e) DECK SLAB& CRASH BARRIER :– M50
3. REINFORCING STEEL SHALL BE OF HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION Fe550)
4. CONDITION OF EXPOSURE – "MODERATE"
5. SEISMIC ZONE – II

TENDER DRAWING

PROJECT :

PROPOSED FLYOVER AT ADYAR ANANDA BHAVAN RAGHUVANAHALLI, KANAKAPURA ROAD.

CLIENT :

BENGALURU SMART INFRASTRUCTURE LIMITED ( B-SMILE)

#108,1st Floor, Annexe-2 Building

N.R.Square,Bengaluru-560002

| REV. | DATE | DESCRIPTION | SIGN |
|---|---|---|---|
| | | | |

DRG NO : NC/B-SMILE/GAD-06

TITLE :

GENERAL ARRANGEMENT DRAWING

DRAWN BY : N D N | DESIGNED BY : H V S

CHECKED BY : MANJUNATH H.S | APPROVED BY : BVN

DATE : 05.08.2025

SHEET SIZE ( A2 ) | SHEET SCALE: AS SHOWN

CONSULTANT SIGNATURE :

B.V. NAGESH

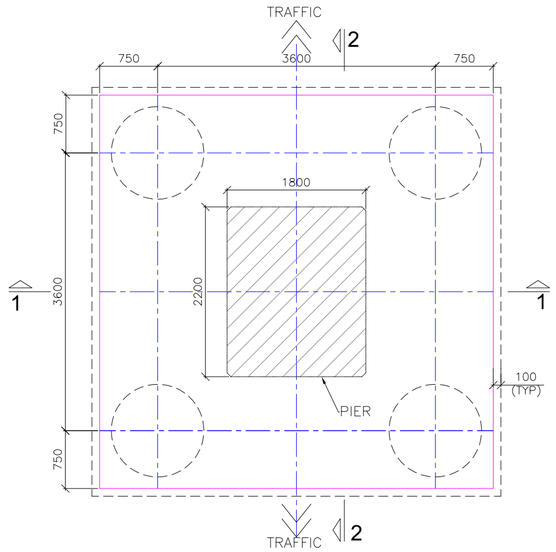
DFR CONSULTANT :

M/S NAGESH CONSULTANTS

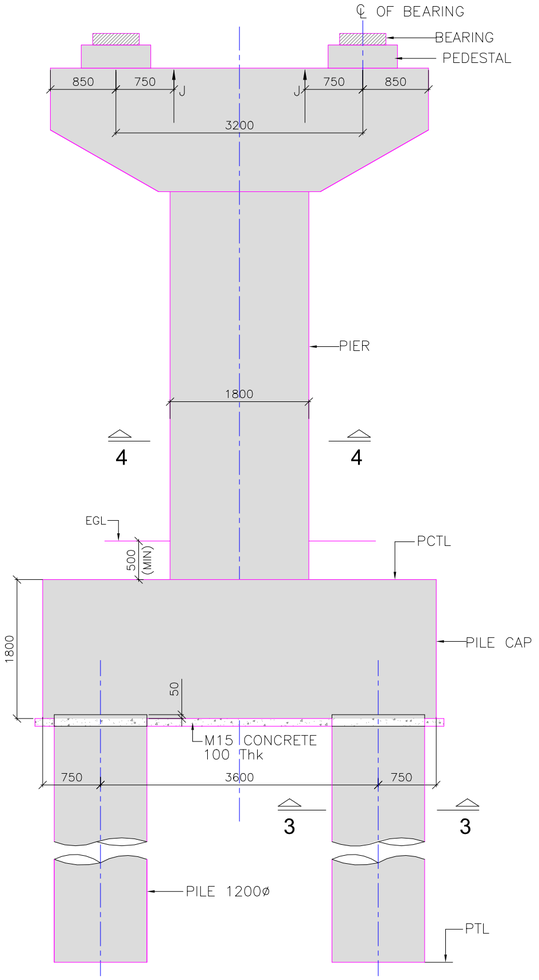
# 2, 6 TH CROSS,

ASHOKNAGAR, BSK I STAGE,

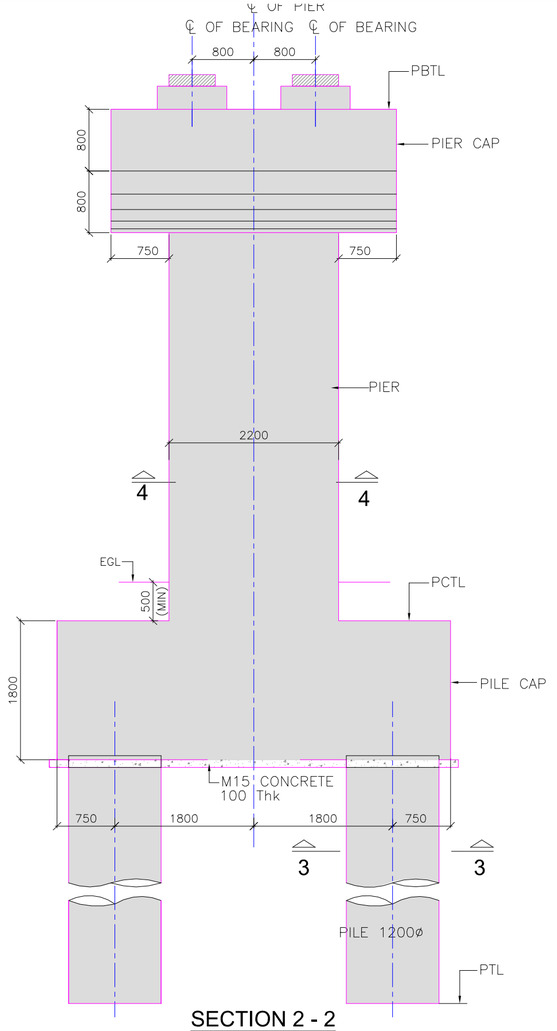
BANGALORE - 560 050



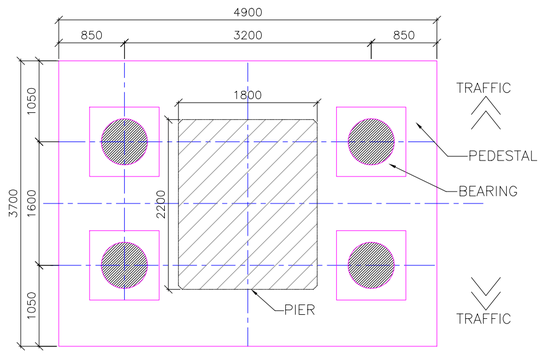

PLAN AT PILE CAP
(SCALE 1:50)



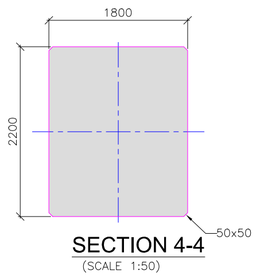

SECTION 1 - 1
(SCALE 1:50)



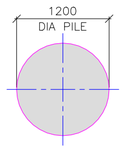

SECTION 2 - 2
(SCALE 1:50)




PLAN AT BEARING LEVEL
(SCALE 1:50)




SECTION 4-4
(SCALE 1:50)




SECTION 3-3
(SCALE 1:50)

## NOTES:

1. ALL DIMENSIONS ARE IN 'mm', UNLESS OTHERWISE MENTIONED.
2. ALL DESIGN MIX CONCRETE SHALL CONFORM TO SEC 6 AND Cl.18.5.4 of IRC: 112–2020
3. GRADE OF STEEL SHALL BE Fe 550 HYSD BARS AS PER TABLE 18.1 OF IRC:112–2020.
4. GRADE OF CONCRETE SHALL BE RCC 50 (DESIGN MIX) FOR PIER CAP, PIER AND M35 FOR PILE CAP & PILE .
5. LEVELING COURSE BELOW FOUNDATION SHALL BE 100mm THICK IN CEMENT CONCRETE M15.
6. PILE SHALL BE EXECUTED AS PER IS: 2911 PART–I, SEC–4
7. DO NOT SCALE THE DRAWING. FOLLOW FIGURED DIMENSIONS ONLY
8. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT DRAWINGS OF THIS WORK
9. PILE TERMINATION LEVEL MENTIONED IN THE DRAWING IS AS PER SOIL REPORT.ACTUAL TERMINATION SHALL BE DECIDED AT SITE AS PER THE TERMINATION CRITERIA FINALIZED BASED DPR.

TENDER DRAWING

PROJECT :

PROPOSED FLYOVER AT ADYAR ANANDA BHAVAN RAGHUVANAHALLI, KANAKAPURA ROAD.

CLIENT :

BENGALURU SMART INFRASTRUCTURE LIMITED ( B-SMILE)
#108,1st Floor, Annexe-2 Building
N.R.Square,Bengaluru-560002

| REV. | DATE | DESCRIPTION | SIGN |
|---|---|---|---|
| | | | |

DRG NO : NC/B-SMILE/SUB CON-01

TITLE :
Substructure Details for 8.5 m Wide Deck
CONCRETE DIMENSIONS

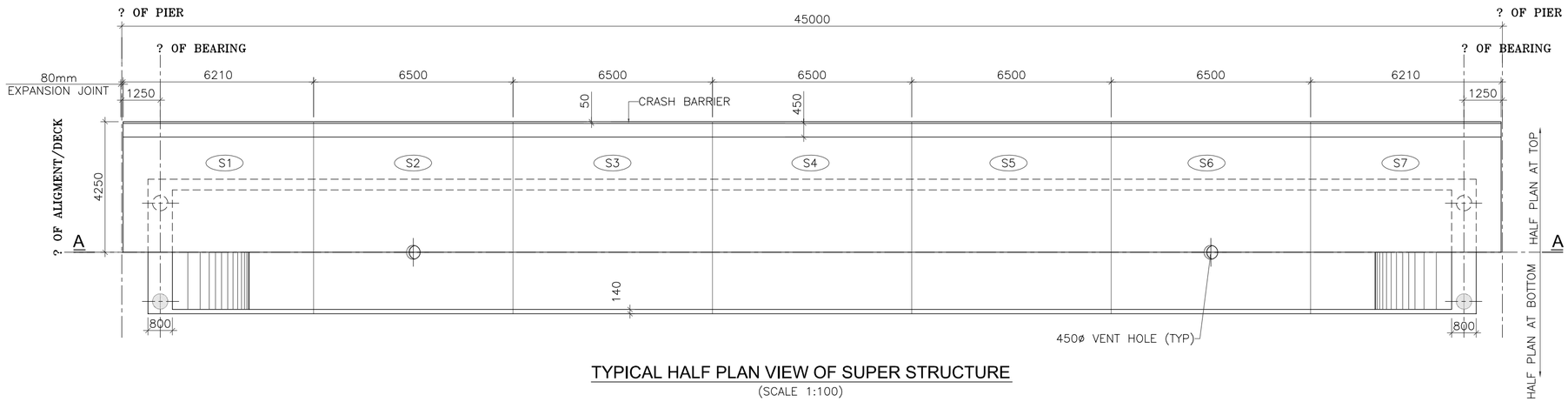
| | |
|---|---|
| DRAWN BY : S J M | DESIGNED BY : H V S |
| CHECKED BY : MANJUNATH H.S | APPROVED BY : BVN |
| DATE : | 22.01.2026 |
| SHEET SIZE ( A2 ) | SHEET SCALE: AS SHOWN |

CONSULTANT SIGNATURE :

B.V. NAGESH

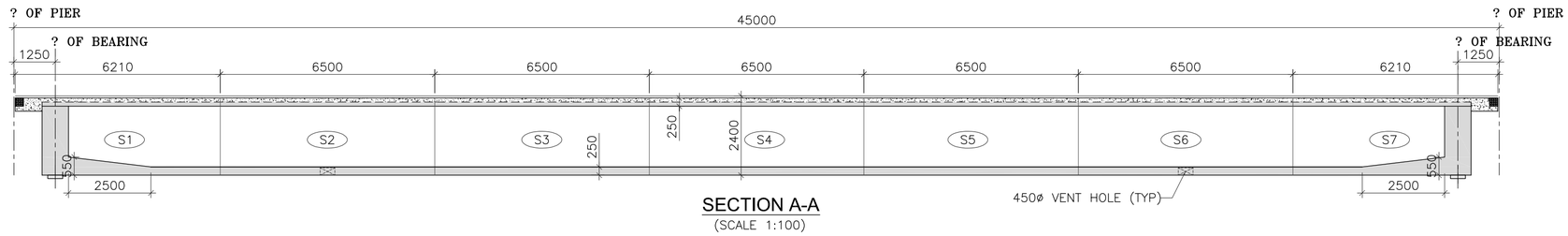
DPR CONSULTANT :

M/S NAGESH CONSULTANTS
# 2, 6 TH CROSS,
ASHOKNAGAR, BSK I STAGE,
BANGALORE - 560 050



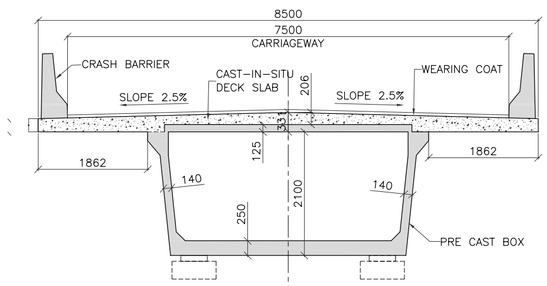

TYPICAL HALF PLAN VIEW OF SUPER STRUCTURE

(SCALE 1:100)



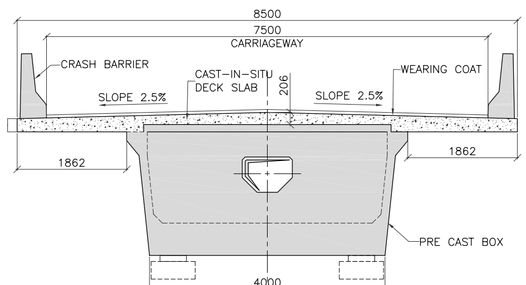

SECTION A-A

(SCALE 1:100)




MID SECTION

(SCALE 1:50)




END SECTION

(SCALE 1:50)

## NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SPECIFIED
2. FOLLOW WRITTEN DIMENSIONS ONLY
3. GRADE OF CONCRETE
   U TROUGH – UHPFRC M150 GRADE
   DECK SLAB & END DIAPHRAGM M50
4. STRIP SEAL EXPANSION JOINT – 80mm
5. FOR EXPANSION JOINT & DECK CONTINUITY LOCATION & DETAILS REFER SEPARATE DRAWING
6. THE LOCATION OF JACKS FOR LIFTING THE SUPERSTRUCTURE TO REPLACE BEARINGS ETC. IS SHOWN THUS ↑ SHALL BE DISTINCTLY ETCHED FOR EASY IDENTIFICTION ON THE DIAPHRAGM
7. OPENING PROVIDED IN DIAPHRAGM SHALL BE USED FOR TAKING OUT THE ELECTRICAL CABLES
8. EPOXY JOINTING OF SEGMENTS ARE PROPOSED AS PER CL:4, IRC SP65–2005.

PROJECT :

PROPOSED FLYOVER AT ADYAR ANANDA BHAVAN RAGHUVANAHALLI, KANAKAPURA ROAD.

CLIENT :

BENGALURU SMART INFRASTRUCTURE LIMITED ( B-SMILE)

#108,1st Floor, Annexe-2 Building

N.R.Square,Bengaluru-560002

| REV. | DATE | DESCRIPTION | SIGN |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

DRG NO : NC/B-SMILE/CON-02

TITLE : **SUPER STRUCTURE (TYP)**
**8.5 M WIDE DECK**

| | |
|---|---|
| DRAWN BY : N D N | DESIGNED BY : SHYAM |
| CHECKED BY : MANJUNATH H.S | APPROVED BY : BVN |
| DATE : | 05.08.2025 |
| SHEET SIZE ( A2 ) | SHEET SCALE: AS SHOWN |

CONSULTANT SIGNATURE :

B.V. NAGESH

DPR CONSULTANT :

M/S NAGESH CONSULTANTS

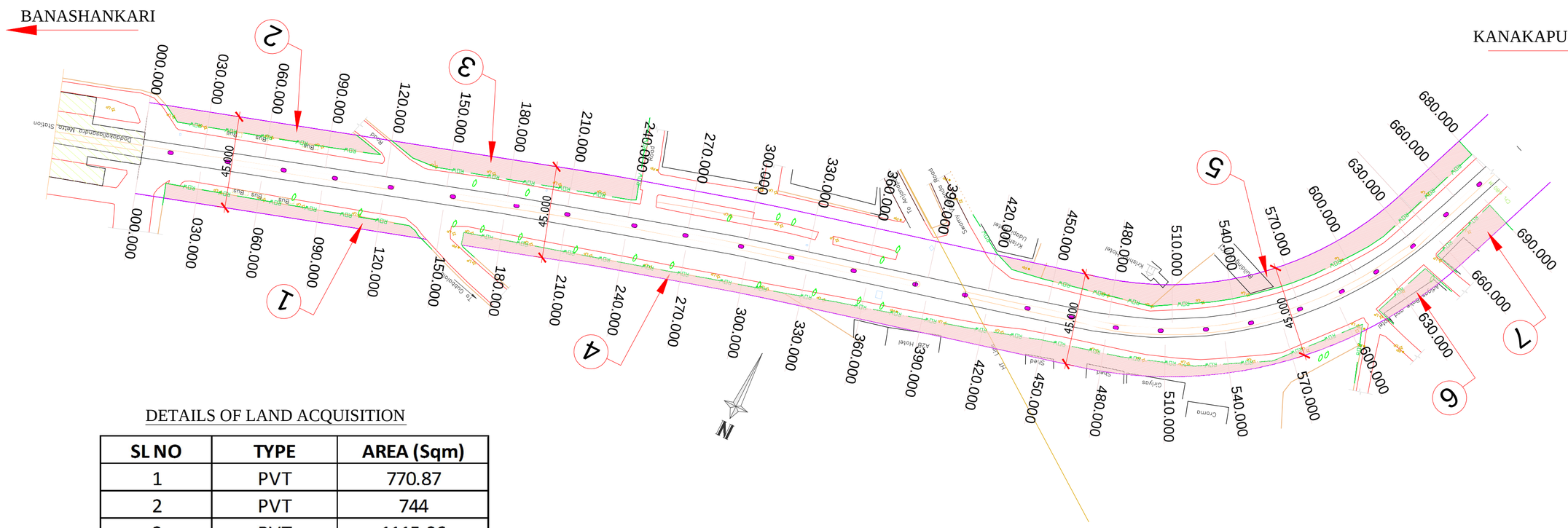
# 2, 6 TH CROSS,

ASHOKNAGAR, BSK I STAGE,

BANGALORE - 560 050

BANASHANKARI

KANAKAPURA




PLAN

DETAILS OF LAND ACQUISITION

| SL NO | TYPE | AREA (Sqm) |
|---|---|---|
| 1 | PVT | 770.87 |
| 2 | PVT | 744 |
| 3 | PVT | 1115.06 |
| 4 | PVT | 2454.11 |
| 5 | PVT | 2217.108 |
| 6 | PVT | 247.89 |
| 7 | PVT | 397.208 |
| **TOTAL** | | **7946.246** |

TENDER DRAWING

PROJECT :

PROPOSED FLYOVER AT ADYAR ANANDA BHAVAN RAGHUVANAHALLI, KANAKAPURA ROAD.

CLIENT :

BENGALURU SMART INFRASTRUCTURE LIMITED ( B-SMILE)

#108,1st Floor, Annexe-2 Building

N.R.Square,Bengaluru-560002

| REV. | DATE | DESCRIPTION | SIGN |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

DRG NO : NC/B-SMILE/LAND ACQUISATION-04

TITLE :

**LAND ACQUISITION**

DRAWN BY : N D N | DESIGNED BY : H V S

CHECKED BY : MANJUNATH H.S | APPROVED BY : BVN

DATE : 05.08.2025

SHEET SIZE ( A2 ) | SHEET SCALE: AS SHOWN

CONSULTANT SIGNATURE :

B.V. NAGESH

DPR CONSULTANT :

M/S NAGESH CONSULTANTS

# 2, 6 TH CROSS,

ASHOKNAGAR, BSK I STAGE,

BANGALORE - 560 050